

July 28, 1982

Memo to File:

RE: Union Carbide Corporation  
LaSal/Snowball/Beaver Shaft Complex  
and Hecla Shaft  
ACT/037/026 and ACT/037/043  
San Juan County, Utah

On July 13, 1982, Tom Tetting, Sandy Pruitt and Susan Linner of the Division visited the Union Carbide office at the LaSal mine, where we met with Claude Thormalen of Union Carbide. A trip was made to the Hecla Shaft mine site. At this time the mine is still in the development phase and mining, as such, has not occurred. Ron Barnett of Union Carbide took us down into the mine to observe the progress of development and the problems that had been encountered with water in the mine. The mine is very wet, with water knee-deep in some places. The wetness of the mine has necessitated a large amount of roof bolting, and metal netting to hold the ceilings in place. Sumps have been placed in several areas to pump water to the surface where it is kept in a holding pond. A local rancher, Hardy Redd, has expressed interest in using the water for irrigation purposes.

After the tour, a meeting was held back at the LaSal office with Claude and Bruce Green (LaSal mine foreman) to discuss the implementation of revegetation test plots. A July 9, 1982, letter from the Division to Ron DeHollander, Union Carbide's Environmental Coordinator, was discussed. In the letter, suggestions were made regarding soil treatments and species to be used in revegetation test plots. Further clarification was made concerning the recommended site of plots and irrigation practices. Claude indicated that they would most likely accept the Division's recommendations verbatim, and put together a test plot design plan for submission in the near future. It is anticipated that test plots will be set up this fall. The possibility of setting up a test plot with waste rock from the Hecla Shaft was discussed. It was agreed that a sample of the rock would be sent for a soil analysis and compared with the analyses made on the LaSal, Beaver shaft and Snowball waste rock. If the Hecla waste rock is determined by the Division to be similar to the other waste rock, additional test plots will not need to be set up.

SUSAN C. LINNER <sup>SCL</sup>  
RECLAMATION BIOLOGIST

SCL/mm